

Table ENG-4. - Building Site Development

Spotsylvania County, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1B:							
Abell	80	Not limited		Somewhat limited		Not limited	
				Depth to saturated zone	0.99		
				Cutbanks cave	0.10		
Appling	7	Not Rated		Not Rated		Not Rated	
Cecil	7	Not Rated		Not Rated		Not Rated	
Partlow	6	Not Rated		Not Rated		Not Rated	
2B:							
Altavista	85	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Cutbanks cave	1.00	Flooding	0.60
		Depth to saturated zone	0.19	Depth to saturated zone	1.00	Depth to saturated zone	0.19
				Flooding	0.60		
Wickham	8	Not Rated		Not Rated		Not Rated	
Aquults	7	Not Rated		Not Rated		Not Rated	
3B:							
Appling	80	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.28		
				Cutbanks cave	0.10		
Abell	5	Not Rated		Not Rated		Not Rated	
Colfax	5	Not Rated		Not Rated		Not Rated	
Louisburg	5	Not Rated		Not Rated		Not Rated	
Spotsylvania	5	Not Rated		Not Rated		Not Rated	
4C2:							
Appling	50	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Slope	0.37	Too clayey	0.28		
				Cutbanks cave	0.10		
Wedowee	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.37	Slope	0.37	Slope	0.37
		Low strength	0.22	Cutbanks cave	0.10		
Colfax	5	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
4C2:							
Louisburg	5	Not Rated		Not Rated		Not Rated	
Partlow	5	Not Rated		Not Rated		Not Rated	
4D2:							
Appling	40	Very limited Slope Low strength	1.00 1.00	Very limited Slope Too clayey Cutbanks cave	1.00 0.28 0.10	Very limited Slope	1.00
Wedowee	40	Very limited Slope Low strength	1.00 0.22	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Louisburg	10	Not Rated		Not Rated		Not Rated	
Partlow	10	Not Rated		Not Rated		Not Rated	
5:							
Aquults	80	Very limited Depth to saturated zone Low strength	1.00 1.00	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.13 0.10	Not Rated	
Faceville	10	Not Rated		Not Rated		Not Rated	
Savannah	10	Not Rated		Not Rated		Not Rated	
6:							
Aquults	85	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Not Rated	
Altavista	8	Not Rated		Not Rated		Not Rated	
Wickham	7	Not Rated		Not Rated		Not Rated	
7B:							
Aquults	40	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.80 0.10	Not Rated	

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
7B:							
Margo	40	Very limited Flooding Low strength Shrink-swell	1.00 1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 0.19
Brockroad	5	Not Rated		Not Rated		Not Rated	
LaRoque	5	Not Rated		Not Rated		Not Rated	
Tatum	5	Not Rated		Not Rated		Not Rated	
Toddstav	5	Not Rated		Not Rated		Not Rated	
8B:							
Bama	85	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
Emporia	5	Not Rated		Not Rated		Not Rated	
Kempsville	5	Not Rated		Not Rated		Not Rated	
Savannah	5	Not Rated		Not Rated		Not Rated	
8C:							
Bama	85	Somewhat limited Slope	0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope	0.37
Emporia	5	Not Rated		Not Rated		Not Rated	
Kempsville	5	Not Rated		Not Rated		Not Rated	
Savannah	5	Not Rated		Not Rated		Not Rated	
9B:							
Brockroad	80	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Too clayey Cutbanks cave	0.50 0.10	Not limited	
Catharpin	7	Not Rated		Not Rated		Not Rated	
Nason	7	Not Rated		Not Rated		Not Rated	
Toddstav	6	Not Rated		Not Rated		Not Rated	
10:							

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
10:							
Cartecay	85	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.80 0.10	Very limited Flooding Depth to saturated zone Droughty	1.00 1.00 1.00 0.01
Abell	5	Not Rated		Not Rated		Not Rated	
Toccoa	5	Not Rated		Not Rated		Not Rated	
Wickham	5	Not Rated		Not Rated		Not Rated	
11B:							
Catharpin	80	Very limited Low strength Shrink-swell	1.00 0.50	Very limited Cutbanks cave Too clayey	1.00 0.88	Not limited	
Brockroad	5	Not Rated		Not Rated		Not Rated	
Margo	5	Not Rated		Not Rated		Not Rated	
Nason	5	Not Rated		Not Rated		Not Rated	
Toddstav	5	Not Rated		Not Rated		Not Rated	
12B:							
Cecil	80	Very limited Low strength	1.00	Somewhat limited Too clayey Cutbanks cave	0.13 0.10	Not limited	
Abell	7	Not Rated		Not Rated		Not Rated	
Colfax	7	Not Rated		Not Rated		Not Rated	
Louisburg	6	Not Rated		Not Rated		Not Rated	
13C2:							
Cecil	45	Very limited Low strength Slope	1.00 0.37	Somewhat limited Slope Too clayey Cutbanks cave	0.37 0.13 0.10	Somewhat limited Slope	0.37
Pacolet	35	Very limited Low strength Slope	1.00 0.37	Somewhat limited Too clayey Slope Cutbanks cave	0.50 0.37 0.10	Somewhat limited Slope	0.37
Abell	4	Not Rated		Not Rated		Not Rated	
Colfax	4	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
13C2:							
Fluvaquents	4	Not Rated		Not Rated		Not Rated	
Louisburg	4	Not Rated		Not Rated		Not Rated	
Partlow	4	Not Rated		Not Rated		Not Rated	
13D2:							
Cecil	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.13		
				Cutbanks cave	0.10		
Pacolet	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.50		
				Cutbanks cave	0.10		
Abell	7	Not Rated		Not Rated		Not Rated	
Louisburg	7	Not Rated		Not Rated		Not Rated	
Partlow	6	Not Rated		Not Rated		Not Rated	
14B:							
Colfax	80	Very limited		Very limited		Very limited	
		Depth to thin cemented pan	1.00	Depth to thin cemented pan	1.00	Depth to cemented pan	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
				Cutbanks cave	0.10	Droughty	0.90
Abell	5	Not Rated		Not Rated		Not Rated	
Appling	5	Not Rated		Not Rated		Not Rated	
Cecil	5	Not Rated		Not Rated		Not Rated	
Partlow	5	Not Rated		Not Rated		Not Rated	
14C:							
Colfax	80	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to thick cemented pan	1.00	Depth to saturated zone	1.00
		Depth to thick cemented pan	0.84	Depth to saturated zone	1.00	Depth to cemented pan	0.84
		Slope	0.37	Slope	0.37	Droughty	0.78
Abell	5	Not Rated		Not Rated		Not Rated	
Appling	5	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
14C:							
Cecil	5	Not Rated		Not Rated		Not Rated	
Partlow	5	Not Rated		Not Rated		Not Rated	
15B2:							
Cullen	80	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.72		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Fluvanna	5	Not Rated		Not Rated		Not Rated	
Louisburg	5	Not Rated		Not Rated		Not Rated	
Poindexter	5	Not Rated		Not Rated		Not Rated	
Tatum	5	Not Rated		Not Rated		Not Rated	
15C2:							
Cullen	80	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.72	Slope	0.37
		Shrink-swell	0.50	Slope	0.37		
		Slope	0.37	Cutbanks cave	0.10		
Fluvanna	5	Not Rated		Not Rated		Not Rated	
Louisburg	5	Not Rated		Not Rated		Not Rated	
Poindexter	5	Not Rated		Not Rated		Not Rated	
Tatum	5	Not Rated		Not Rated		Not Rated	
15D2:							
Cullen	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.72		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Fluvanna	5	Not Rated		Not Rated		Not Rated	
Louisburg	5	Not Rated		Not Rated		Not Rated	
Poindexter	5	Not Rated		Not Rated		Not Rated	
Tatum	5	Not Rated		Not Rated		Not Rated	
16:							

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
16:							
Dogue	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	1.00	Depth to saturated	0.03
		Shrink-swell	0.50	Depth to saturated	1.00	zone	
		Depth to saturated	0.03	zone			
				Too clayey	0.03		
Altavista	5	Not Rated		Not Rated		Not Rated	
Aquults	5	Not Rated		Not Rated		Not Rated	
Wickham	5	Not Rated		Not Rated		Not Rated	
17C:							
Dystrochrepts	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.37	Depth to saturated	0.82	Droughty	0.42
				zone		Slope	0.37
				Slope	0.37		
				Cutbanks cave	0.10		
Udults	40	Somewhat limited		Somewhat limited		Not Rated	
		Slope	0.37	Depth to saturated	0.82		
				zone			
				Slope	0.37		
				Cutbanks cave	0.10		
Fluvaquents	5	Not Rated		Not Rated		Not Rated	
Udifluvents	5	Not Rated		Not Rated		Not Rated	
17D:							
Dystrochrepts	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to saturated	0.82	Droughty	0.42
				zone			
				Cutbanks cave	0.10		
Udults	40	Very limited		Very limited		Not Rated	
		Slope	1.00	Slope	1.00		
				Depth to saturated	0.82		
				zone			
				Cutbanks cave	0.10		
Fluvaquents	5	Not Rated		Not Rated		Not Rated	
Udifluvents	5	Not Rated		Not Rated		Not Rated	

17E:

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
17E:							
Dystrochrepts	50	Very limited Slope	1.00	Very limited Slope Depth to saturated zone Cutbanks cave	1.00 0.82 0.10	Very limited Slope Droughty	1.00 0.42
Udults	40	Very limited Slope	1.00	Very limited Slope Depth to saturated zone Cutbanks cave	1.00 0.82 0.10	Not Rated	
Fluvaquents	5	Not Rated		Not Rated		Not Rated	
Udifluvents	5	Not Rated		Not Rated		Not Rated	
18B:							
Emporia	80	Not limited		Somewhat limited Depth to saturated zone Cutbanks cave	0.73 0.10	Not limited	
Faceville	7	Not Rated		Not Rated		Not Rated	
Goldsboro	7	Not Rated		Not Rated		Not Rated	
Mattaponi	6	Not Rated		Not Rated		Not Rated	
18C:							
Emporia	80	Somewhat limited Slope	0.37	Somewhat limited Depth to saturated zone Slope Cutbanks cave	0.73 0.37 0.10	Somewhat limited Slope	0.37
Faceville	7	Not Rated		Not Rated		Not Rated	
Goldsboro	7	Not Rated		Not Rated		Not Rated	
Mattaponi	6	Not Rated		Not Rated		Not Rated	
19B:							
Faceville	85	Somewhat limited Low strength	0.78	Somewhat limited Too clayey Cutbanks cave	0.13 0.10	Not limited	
Emporia	5	Not Rated		Not Rated		Not Rated	
Goldsboro	5	Not Rated		Not Rated		Not Rated	
Savannah	5	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
20B:							
Faceville	40	Somewhat limited		Somewhat limited		Not limited	
		Low strength	0.78	Too clayey	0.13		
				Cutbanks cave	0.10		
Marlboro	40	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.50		
				Cutbanks cave	0.10		
Emporia	7	Not Rated		Not Rated		Not Rated	
Goldsboro	7	Not Rated		Not Rated		Not Rated	
Savannah	6	Not Rated		Not Rated		Not Rated	
20C2:							
Faceville	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Low strength	0.78	Slope	0.37	Slope	0.37
		Slope	0.37	Too clayey	0.13		
				Cutbanks cave	0.10		
Marlboro	35	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.50	Slope	0.37
		Slope	0.37	Slope	0.37		
				Cutbanks cave	0.10		
Emporia	7	Not Rated		Not Rated		Not Rated	
Mattaponi	7	Not Rated		Not Rated		Not Rated	
Savannah	6	Not Rated		Not Rated		Not Rated	
21B:							
Faceville	45	Somewhat limited		Somewhat limited		Not limited	
		Low strength	0.78	Too clayey	0.13		
				Cutbanks cave	0.10		
Varina	35	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Depth to saturated zone	0.35		
				Too clayey	0.28		
				Cutbanks cave	0.10		
Emporia	5	Not Rated		Not Rated		Not Rated	
Goldsboro	5	Not Rated		Not Rated		Not Rated	
Mattaponi	5	Not Rated		Not Rated		Not Rated	
Savannah	5	Not Rated		Not Rated		Not Rated	

21C2:

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
21C2:							
Faceville	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Low strength	0.78	Slope	0.37	Slope	0.37
		Slope	0.37	Too clayey	0.13		
				Cutbanks cave	0.10		
Varina	35	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Slope	0.37	Depth to saturated zone	0.35		
				Too clayey	0.28		
Emporia	5	Not Rated		Not Rated		Not Rated	
Goldsboro	5	Not Rated		Not Rated		Not Rated	
Mattaponi	5	Not Rated		Not Rated		Not Rated	
Savannah	5	Not Rated		Not Rated		Not Rated	
22B:							
Fluvanna	80	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.50		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Nason	5	Not Rated		Not Rated		Not Rated	
Orange	5	Not Rated		Not Rated		Not Rated	
Poindexter	5	Not Rated		Not Rated		Not Rated	
Tatum	5	Not Rated		Not Rated		Not Rated	
22C2:							
Fluvanna	80	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.50	Slope	0.37
		Shrink-swell	0.50	Slope	0.37		
		Slope	0.37	Cutbanks cave	0.10		
Colfax	4	Not Rated		Not Rated		Not Rated	
Fluvaquents	4	Not Rated		Not Rated		Not Rated	
Nason	4	Not Rated		Not Rated		Not Rated	
Poindexter	4	Not Rated		Not Rated		Not Rated	
Tatum	4	Not Rated		Not Rated		Not Rated	

22D2:

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
22D2:							
Fluvanna	80	Very limited Slope Low strength Shrink-swell	1.00 1.00 0.50	Very limited Slope Too clayey Cutbanks cave	1.00 0.50 0.10	Very limited Slope	1.00
Fluvaquents	4	Not Rated		Not Rated		Not Rated	
Louisburg	4	Not Rated		Not Rated		Not Rated	
Nason	4	Not Rated		Not Rated		Not Rated	
Poindexter	4	Not Rated		Not Rated		Not Rated	
Tatum	4	Not Rated		Not Rated		Not Rated	
23:							
Fluvaquents	55	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.80 0.10	Very limited Flooding Depth to saturated zone	1.00 1.00
Udifluvents	30	Very limited Flooding	1.00	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 1.00 0.80	Very limited Flooding Droughty	1.00 <0.01
Altavista	5	Not Rated		Not Rated		Not Rated	
Aquults	4	Not Rated		Not Rated		Not Rated	
Partlow	3	Not Rated		Not Rated		Not Rated	
Wickham	3	Not Rated		Not Rated		Not Rated	
24:							
Goldsboro	75	Not limited		Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	
Aquults	7	Not Rated		Not Rated		Not Rated	
Emporia	6	Not Rated		Not Rated		Not Rated	
Savannah	6	Not Rated		Not Rated		Not Rated	
Suffolk	6	Not Rated		Not Rated		Not Rated	

25B:

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
25B:							
Kempsville	80	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Gravel content Droughty	0.92 0.04
Bama	5	Not Rated		Not Rated		Not Rated	
Emporia	5	Not Rated		Not Rated		Not Rated	
Faceville	5	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
25C:							
Kempsville	85	Somewhat limited Slope	0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Gravel content Slope Droughty	0.92 0.37 0.04
Emporia	4	Not Rated		Not Rated		Not Rated	
Faceville	4	Not Rated		Not Rated		Not Rated	
Fluvaquents	4	Not Rated		Not Rated		Not Rated	
Varina	3	Not Rated		Not Rated		Not Rated	
25D:							
Kempsville	80	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope Gravel content Droughty	1.00 0.92 0.04
Dystrochrepts	7	Not Rated		Not Rated		Not Rated	
Fluvaquents	7	Not Rated		Not Rated		Not Rated	
Udults	6	Not Rated		Not Rated		Not Rated	
26C:							
LaRoque	75	Somewhat limited Slope	0.37	Somewhat limited Slope Depth to soft bedrock Cutbanks cave	0.37 0.16 0.10	Somewhat limited Slope Depth to bedrock	0.37 0.16
Brockroad	5	Not Rated		Not Rated		Not Rated	
Margo	5	Not Rated		Not Rated		Not Rated	
Nason	5	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
26C:							
Tatum	5	Not Rated		Not Rated		Not Rated	
Toddstav	5	Not Rated		Not Rated		Not Rated	
26D:							
LaRoque	75	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.16 0.10	Very limited Slope Depth to bedrock	1.00 0.16
Brockroad	5	Not Rated		Not Rated		Not Rated	
Fluvaquents	5	Not Rated		Not Rated		Not Rated	
Margo	5	Not Rated		Not Rated		Not Rated	
Nason	5	Not Rated		Not Rated		Not Rated	
Tatum	5	Not Rated		Not Rated		Not Rated	
26E:							
LaRoque	75	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.16 0.10	Very limited Slope Depth to bedrock	1.00 0.16
Fluvaquents	5	Not Rated		Not Rated		Not Rated	
Margo	5	Not Rated		Not Rated		Not Rated	
Nason	5	Not Rated		Not Rated		Not Rated	
Tatum	5	Not Rated		Not Rated		Not Rated	
Toddstav	5	Not Rated		Not Rated		Not Rated	
27C:							
Louisburg	75	Somewhat limited Slope	0.37	Somewhat limited Depth to soft bedrock Slope Cutbanks cave	0.74 0.37 0.10	Somewhat limited Depth to bedrock Droughty Slope	0.74 0.53 0.37
Appling	5	Not Rated		Not Rated		Not Rated	
Cecil	5	Not Rated		Not Rated		Not Rated	
Margo	5	Not Rated		Not Rated		Not Rated	
Pacolet	5	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
27C:							
Toddstav	5	Not Rated		Not Rated		Not Rated	
27D:							
Louisburg	75	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.74 0.10	Very limited Slope Depth to bedrock Droughty	1.00 0.74 0.53
Appling	5	Not Rated		Not Rated		Not Rated	
Cecil	5	Not Rated		Not Rated		Not Rated	
Margo	5	Not Rated		Not Rated		Not Rated	
Pacolet	5	Not Rated		Not Rated		Not Rated	
Toddstav	5	Not Rated		Not Rated		Not Rated	
27E:							
Louisburg	75	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.74 0.10	Very limited Slope Depth to bedrock Droughty	1.00 0.74 0.53
Appling	5	Not Rated		Not Rated		Not Rated	
Cecil	5	Not Rated		Not Rated		Not Rated	
Margo	5	Not Rated		Not Rated		Not Rated	
Pacolet	5	Not Rated		Not Rated		Not Rated	
Toddstav	5	Not Rated		Not Rated		Not Rated	
28B:							
Margo	80	Very limited Flooding Low strength Shrink-swell	1.00 1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 0.19
LaRoque	5	Not Rated		Not Rated		Not Rated	
Nason	5	Not Rated		Not Rated		Not Rated	
Tatum	5	Not Rated		Not Rated		Not Rated	
Toddstav	5	Not Rated		Not Rated		Not Rated	

29B:

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
29B:							
Masada	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50	Too clayey	0.01		
Appling	3	Not Rated		Not Rated		Not Rated	
Cecil	3	Not Rated		Not Rated		Not Rated	
Nason	3	Not Rated		Not Rated		Not Rated	
Tatum	3	Not Rated		Not Rated		Not Rated	
Turbeville	3	Not Rated		Not Rated		Not Rated	
29C2:							
Masada	80	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Slope	0.37	Too clayey	0.01		
Appling	4	Not Rated		Not Rated		Not Rated	
Cecil	4	Not Rated		Not Rated		Not Rated	
Nason	4	Not Rated		Not Rated		Not Rated	
Tatum	4	Not Rated		Not Rated		Not Rated	
Turbeville	4	Not Rated		Not Rated		Not Rated	
30B:							
Mattaponi	80	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.50		
		Shrink-swell	0.50	Depth to saturated zone	0.35		
				Cutbanks cave	0.10		
Faceville	7	Not Rated		Not Rated		Not Rated	
Kempsville	7	Not Rated		Not Rated		Not Rated	
Savannah	6	Not Rated		Not Rated		Not Rated	
31C2:							
Mattaponi	80	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.50	Slope	0.37
		Shrink-swell	0.50	Slope	0.37		
		Slope	0.37	Depth to saturated zone	0.35		

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
31C2:							
Faceville	7	Not Rated		Not Rated		Not Rated	
Kempsville	7	Not Rated		Not Rated		Not Rated	
Savannah	6	Not Rated		Not Rated		Not Rated	
32B:							
Nason	80	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Brockroad	7	Not Rated		Not Rated		Not Rated	
Catharpin	7	Not Rated		Not Rated		Not Rated	
LaRoque	6	Not Rated		Not Rated		Not Rated	
32C2:							
Nason	80	Very limited Low strength Shrink-swell Slope	1.00 0.50 0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope	0.37
Fluvaquents	5	Not Rated		Not Rated		Not Rated	
LaRoque	5	Not Rated		Not Rated		Not Rated	
Partlow	5	Not Rated		Not Rated		Not Rated	
Tatum	5	Not Rated		Not Rated		Not Rated	
32D2:							
Nason	80	Very limited Slope Low strength Shrink-swell	1.00 1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Fluvaquents	7	Not Rated		Not Rated		Not Rated	
LaRoque	7	Not Rated		Not Rated		Not Rated	
Tatum	6	Not Rated		Not Rated		Not Rated	
33B:							
Orange	55	Very limited Low strength Shrink-swell Depth to saturated zone	1.00 1.00 0.19	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Somewhat limited Depth to saturated zone	0.19

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
33B:							
Iredell	30	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Depth to saturated	1.00	Depth to saturated	0.75
		Low strength	1.00	zone		zone	
		Depth to saturated	0.75	Too clayey	0.50		
		zone		Cutbanks cave	0.10		
Cullen	5	Not Rated		Not Rated		Not Rated	
Fluvanna	5	Not Rated		Not Rated		Not Rated	
Poindexter	5	Not Rated		Not Rated		Not Rated	
33C2:							
Orange	55	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated	1.00	Slope	0.37
		Shrink-swell	1.00	zone		Depth to saturated	0.19
		Slope	0.37	Slope	0.37	zone	
				Too clayey	0.28		
Iredell	30	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Depth to saturated	1.00	Depth to saturated	0.75
		Low strength	1.00	zone		zone	
		Depth to saturated	0.75	Too clayey	0.50	Slope	0.37
		zone		Slope	0.37		
Cullen	5	Not Rated		Not Rated		Not Rated	
Fluvanna	5	Not Rated		Not Rated		Not Rated	
Poindexter	5	Not Rated		Not Rated		Not Rated	
34B:							
Partlow	80	Very limited		Very limited		Very limited	
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Depth to saturated	1.00	Depth to saturated	1.00	Flooding	1.00
		zone		zone		Depth to saturated	1.00
		Flooding	1.00	Flooding	0.80	zone	
Abell	10	Not Rated		Not Rated		Not Rated	
Colfax	10	Not Rated		Not Rated		Not Rated	
35C:							
Poindexter	80	Somewhat limited		Somewhat limited		Somewhat limited	
		Low strength	0.78	Depth to hard bedrock	0.84	Depth to bedrock	0.74
		Slope	0.37	Depth to soft bedrock	0.74	Slope	0.37
				Slope	0.37	Droughty	<0.01
Cullen	5	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
35C:							
Fluvanna	5	Not Rated		Not Rated		Not Rated	
Iredell	5	Not Rated		Not Rated		Not Rated	
Orange	5	Not Rated		Not Rated		Not Rated	
35D:							
Poindexter	80	Very limited Slope Low strength	1.00 0.78	Very limited Slope Depth to hard bedrock Depth to soft bedrock	1.00 0.84 0.74	Very limited Slope Depth to bedrock Droughty	1.00 0.74 <0.01
Cullen	4	Not Rated		Not Rated		Not Rated	
Fluvanna	4	Not Rated		Not Rated		Not Rated	
Fluvaquents	4	Not Rated		Not Rated		Not Rated	
Louisburg	4	Not Rated		Not Rated		Not Rated	
Partlow	4	Not Rated		Not Rated		Not Rated	
35E:							
Poindexter	75	Very limited Slope Low strength	1.00 0.78	Very limited Slope Depth to hard bedrock Depth to soft bedrock	1.00 0.84 0.74	Very limited Slope Depth to bedrock Droughty	1.00 0.74 <0.01
Fluvaquents	13	Not Rated		Not Rated		Not Rated	
Louisburg	12	Not Rated		Not Rated		Not Rated	
36A:							
Savannah	80	Somewhat limited Depth to saturated zone	0.19	Very limited Depth to saturated zone Depth to thin cemented pan Depth to dense layer	1.00 0.97 0.50	Somewhat limited Depth to cemented pan Droughty Depth to saturated zone	0.97 0.49 0.19
Faceville	7	Not Rated		Not Rated		Not Rated	
Goldsboro	7	Not Rated		Not Rated		Not Rated	
Partlow	6	Not Rated		Not Rated		Not Rated	
36B:							

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
36B:							
Savannah	80	Somewhat limited		Very limited		Somewhat limited	
		Depth to thick cemented pan	0.97	Depth to thick cemented pan	1.00	Depth to cemented pan	0.97
		Depth to saturated zone	0.19	Depth to saturated zone	1.00	Droughty	0.49
				Depth to dense layer	0.50	Depth to saturated zone	0.19
Faceville	7	Not Rated		Not Rated		Not Rated	
Goldsboro	7	Not Rated		Not Rated		Not Rated	
Partlow	6	Not Rated		Not Rated		Not Rated	
37B:							
Spotsylvania	80	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.13		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Appling	5	Not Rated		Not Rated		Not Rated	
Cecil	5	Not Rated		Not Rated		Not Rated	
Faceville	5	Not Rated		Not Rated		Not Rated	
Savannah	5	Not Rated		Not Rated		Not Rated	
37C:							
Spotsylvania	80	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	0.50	Too clayey	0.13		
		Slope	0.37	Cutbanks cave	0.10		
Appling	5	Not Rated		Not Rated		Not Rated	
Cecil	5	Not Rated		Not Rated		Not Rated	
Faceville	5	Not Rated		Not Rated		Not Rated	
Savannah	5	Not Rated		Not Rated		Not Rated	
38B:							
Suffolk	80	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
Aquults	10	Not Rated		Not Rated		Not Rated	
Goldsboro	10	Not Rated		Not Rated		Not Rated	

39B:

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
39B:							
Tatum	80	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.50		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Abell	7	Not Rated		Not Rated		Not Rated	
Brockroad	7	Not Rated		Not Rated		Not Rated	
Catharpin	6	Not Rated		Not Rated		Not Rated	
39C2:							
Tatum	80	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.50	Slope	0.37
		Shrink-swell	0.50	Slope	0.37		
		Slope	0.37	Cutbanks cave	0.10		
Abell	5	Not Rated		Not Rated		Not Rated	
Brockroad	5	Not Rated		Not Rated		Not Rated	
Catharpin	5	Not Rated		Not Rated		Not Rated	
Toddstav	5	Not Rated		Not Rated		Not Rated	
39D2:							
Tatum	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.50		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Abell	7	Not Rated		Not Rated		Not Rated	
LaRoque	7	Not Rated		Not Rated		Not Rated	
Toddstav	6	Not Rated		Not Rated		Not Rated	
40:							
Tetotum variant	85	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Depth to saturated	1.00	Flooding	0.60
		Depth to saturated	0.19	zone		Depth to saturated	0.19
		zone		Flooding	0.60	zone	
				Cutbanks cave	0.10		
Wickham	8	Not Rated		Not Rated		Not Rated	
Aquults	7	Not Rated		Not Rated		Not Rated	
41:							

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
41:							
Toccoa	85	Very limited Flooding	1.00	Somewhat limited Flooding Depth to saturated zone Cutbanks cave	0.80 0.73 0.10	Very limited Flooding	1.00
Abell	4	Not Rated		Not Rated		Not Rated	
Aquults	4	Not Rated		Not Rated		Not Rated	
Fluvaquents	4	Not Rated		Not Rated		Not Rated	
Wickham	3	Not Rated		Not Rated		Not Rated	
42B:							
Toddstav	85	Very limited Depth to saturated zone Flooding Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.80 0.10	Very limited Flooding Depth to saturated zone	1.00 1.00
LaRoque	4	Not Rated		Not Rated		Not Rated	
Margo	4	Not Rated		Not Rated		Not Rated	
Nason	4	Not Rated		Not Rated		Not Rated	
Tatum	3	Not Rated		Not Rated		Not Rated	
43B:							
Turbeville	80	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
Appling	4	Not Rated		Not Rated		Not Rated	
Cecil	4	Not Rated		Not Rated		Not Rated	
Masada	4	Not Rated		Not Rated		Not Rated	
Nason	4	Not Rated		Not Rated		Not Rated	
Tatum	4	Not Rated		Not Rated		Not Rated	
43C2:							
Turbeville	80	Very limited Low strength Slope	1.00 0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope	0.37
Appling	4	Not Rated		Not Rated		Not Rated	
Cecil	4	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
43C2:							
Masada	4	Not Rated		Not Rated		Not Rated	
Nason	4	Not Rated		Not Rated		Not Rated	
Tatum	4	Not Rated		Not Rated		Not Rated	
44:							
Udorthents	100	Not Rated		Not Rated		Not Rated	
45B:							
Udorthents	50	Not Rated		Not Rated		Not Rated	
Udifluvents	35	Very limited Flooding	1.00	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 1.00 0.80	Very limited Flooding Droughty	1.00 0.01
Goldsboro	8	Not Rated		Not Rated		Not Rated	
Aquults	7	Not Rated		Not Rated		Not Rated	
46:							
Urban land	55	Not Rated		Not Rated		Not Rated	
Udults	45	Not limited		Somewhat limited Depth to saturated zone Cutbanks cave		Not Rated 0.82 0.10	
47E:							
Watt	80	Very limited Slope Depth to hard bedrock Content of large stones	1.00 0.29 0.09	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Content of large stones Droughty	1.00 0.84 0.83
Brockroad	4	Not Rated		Not Rated		Not Rated	
Catharpin	4	Not Rated		Not Rated		Not Rated	
LaRoque	4	Not Rated		Not Rated		Not Rated	
Nason	4	Not Rated		Not Rated		Not Rated	
Tatum	4	Not Rated		Not Rated		Not Rated	
48A:							
Wickham	80	Not limited		Somewhat limited Cutbanks cave		Not limited 0.10	

Table ENG-4. - Building Site Development - Continued

Spotsylvania County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
48A:							
Altavista	10	Not Rated		Not Rated		Not Rated	
Aquults	10	Not Rated		Not Rated		Not Rated	
48B:							
Wickham	80	Not limited		Somewhat limited Cutbanks cave 0.10		Not limited	
Altavista	10	Not Rated		Not Rated		Not Rated	
Aquults	10	Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	